

FIG. 1

2 : NUMERICALLY CONTROLLED  
AUTOMATIC LATHE

2 2 0 : HEADSTOCK

1 2 : STOCKER

1 : BAR MATERIAL SUPPLY DEVICE

1 1 : GUIDE

1 3 : PUSH ROD  
FEEDING UNIT

1 0 : BASE

1 5 : PUSH ROD

w : BAR  
MATERIAL

2 3 0 : SPINDLE

1 6 : SENSOR

2 3 0 a : THROUGH-HOLE

2 1 0 : TOOL POST

C

2 3 1

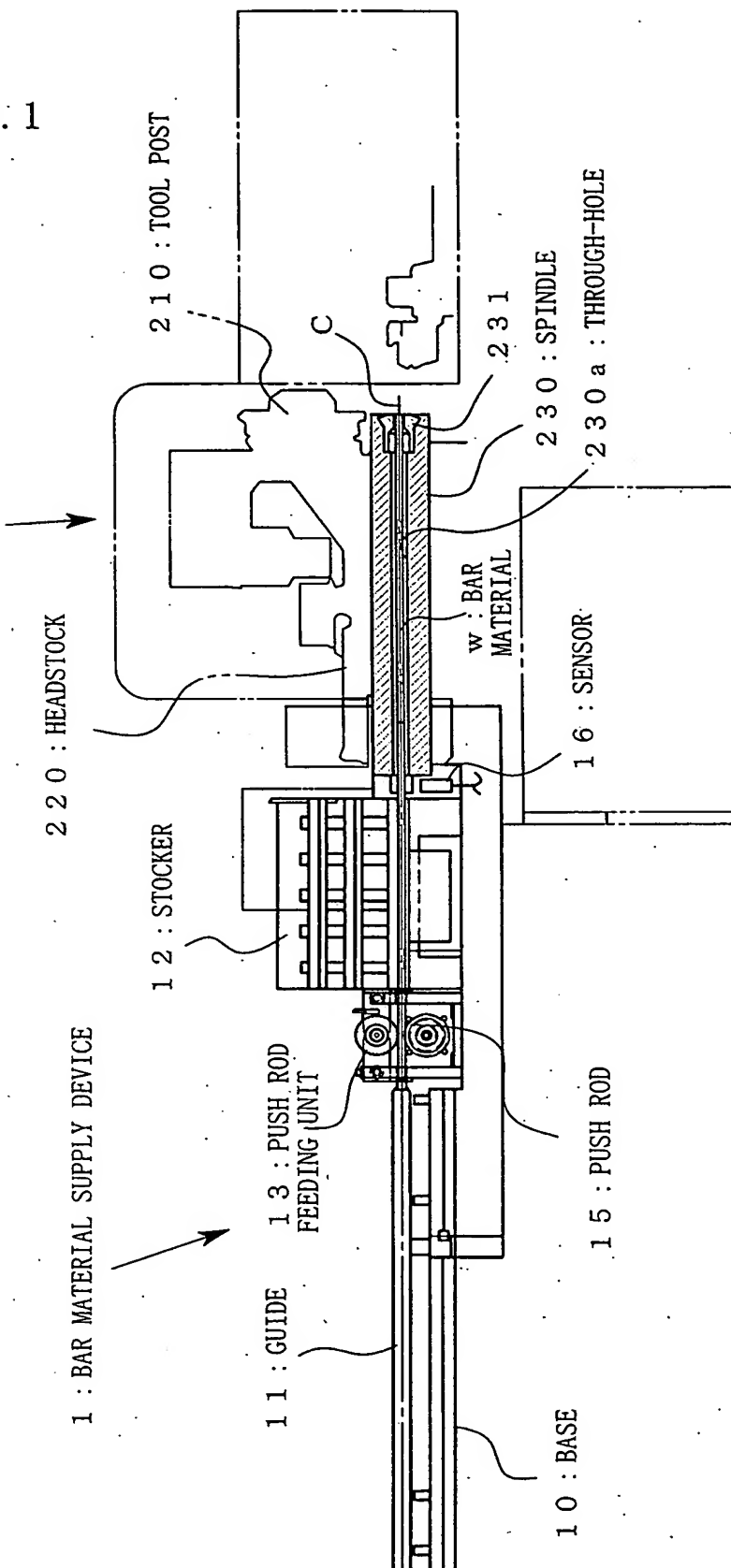


FIG. 2

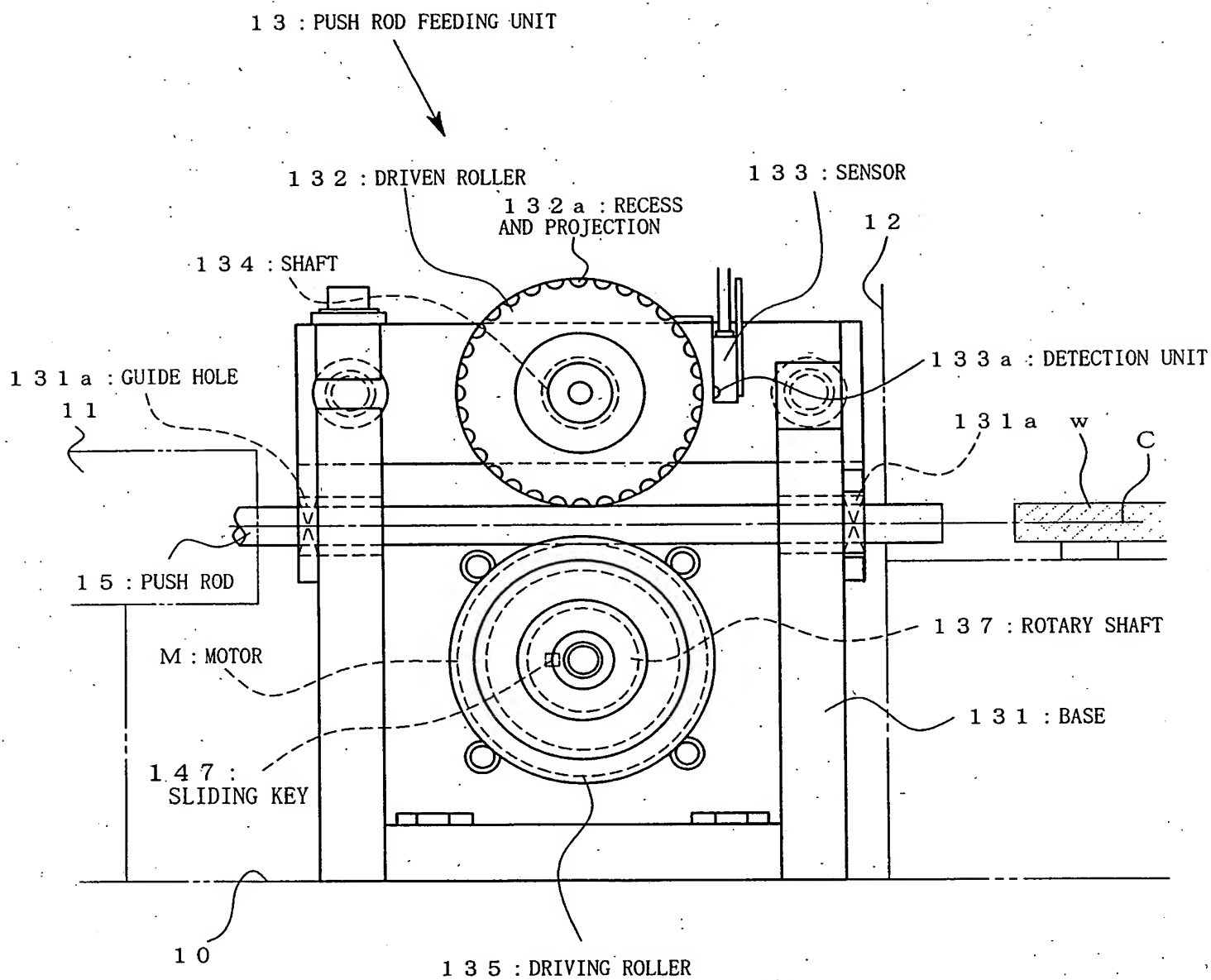


FIG. 3

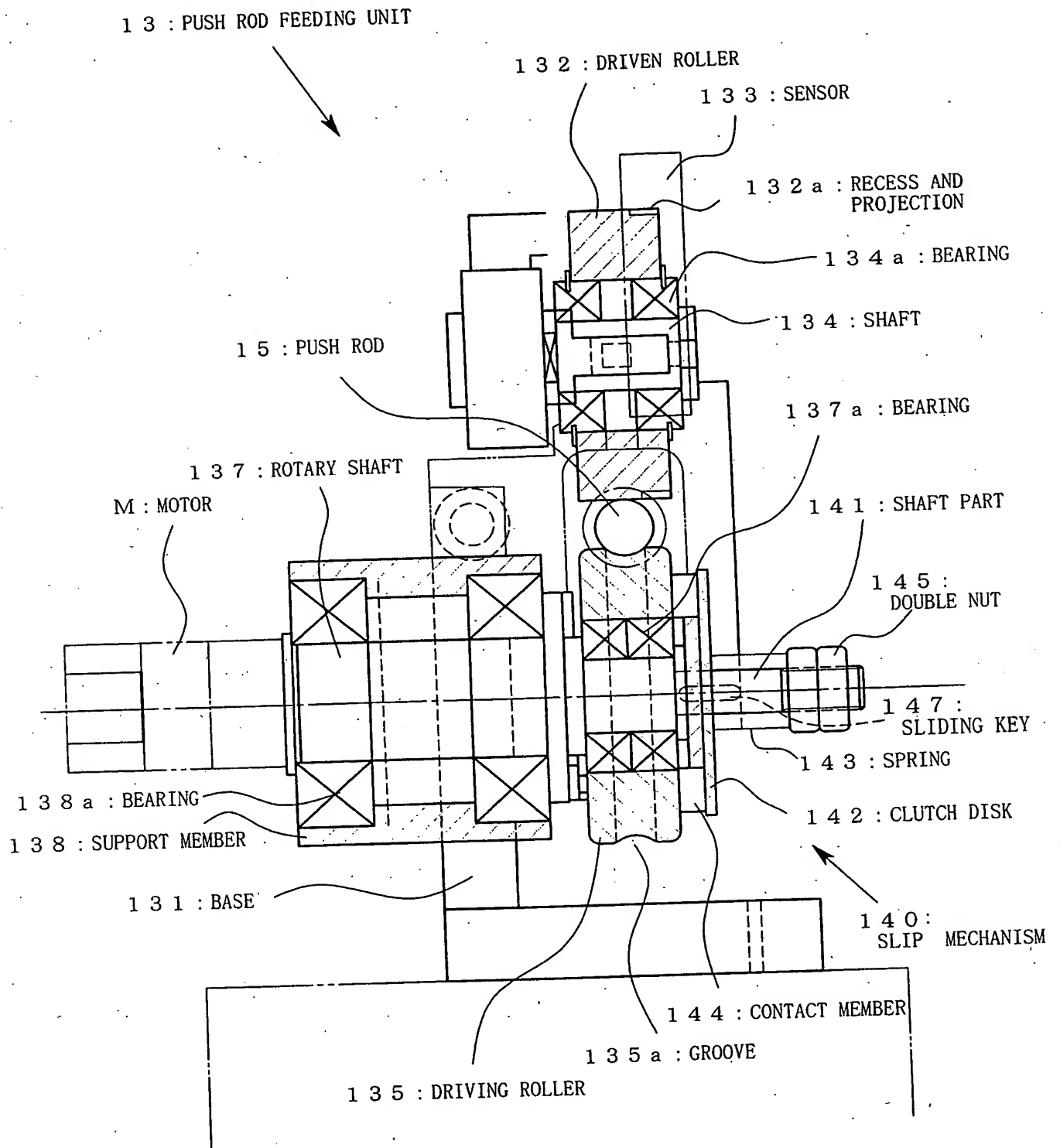


FIG. 4

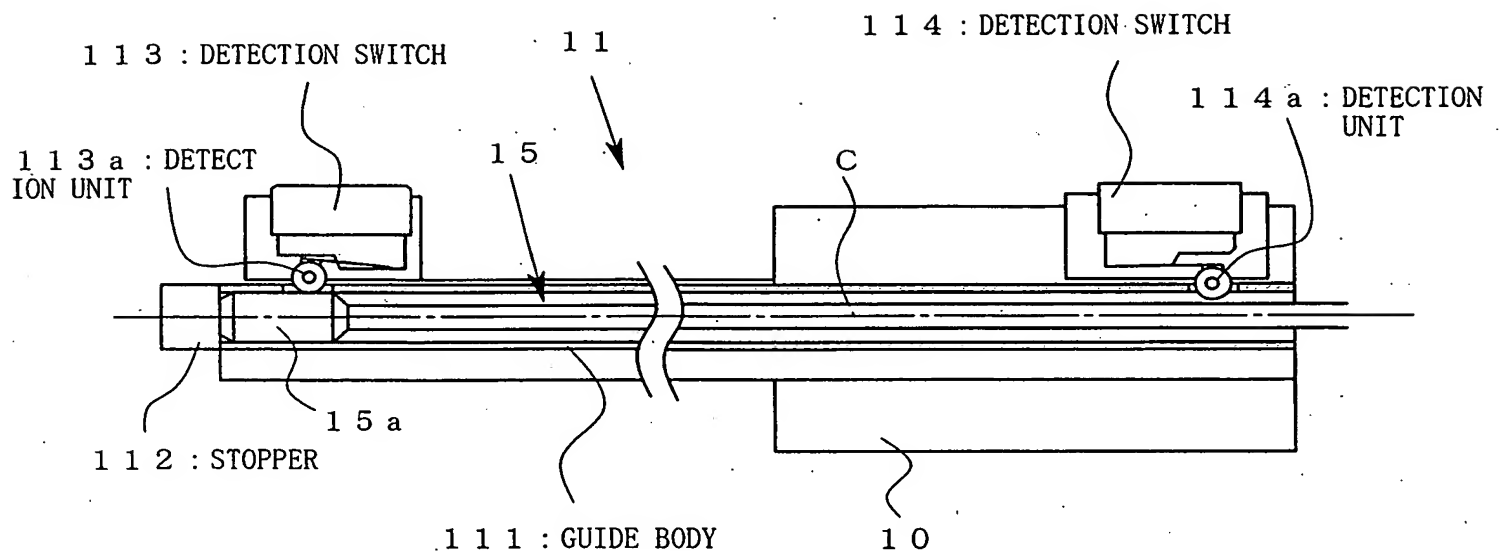


FIG. 5

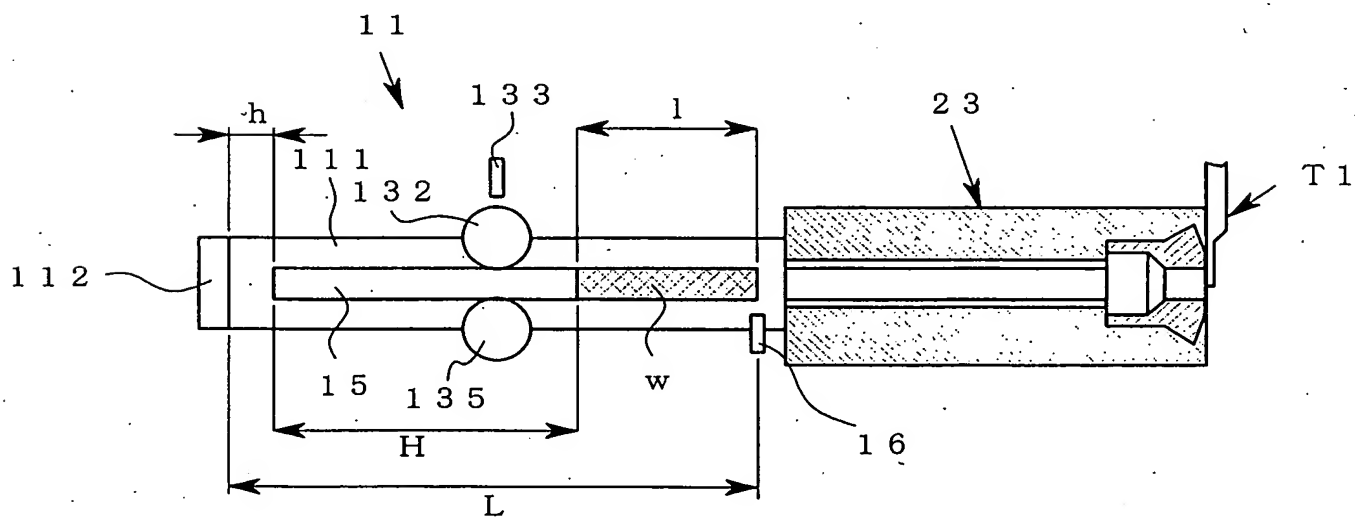


FIG.6

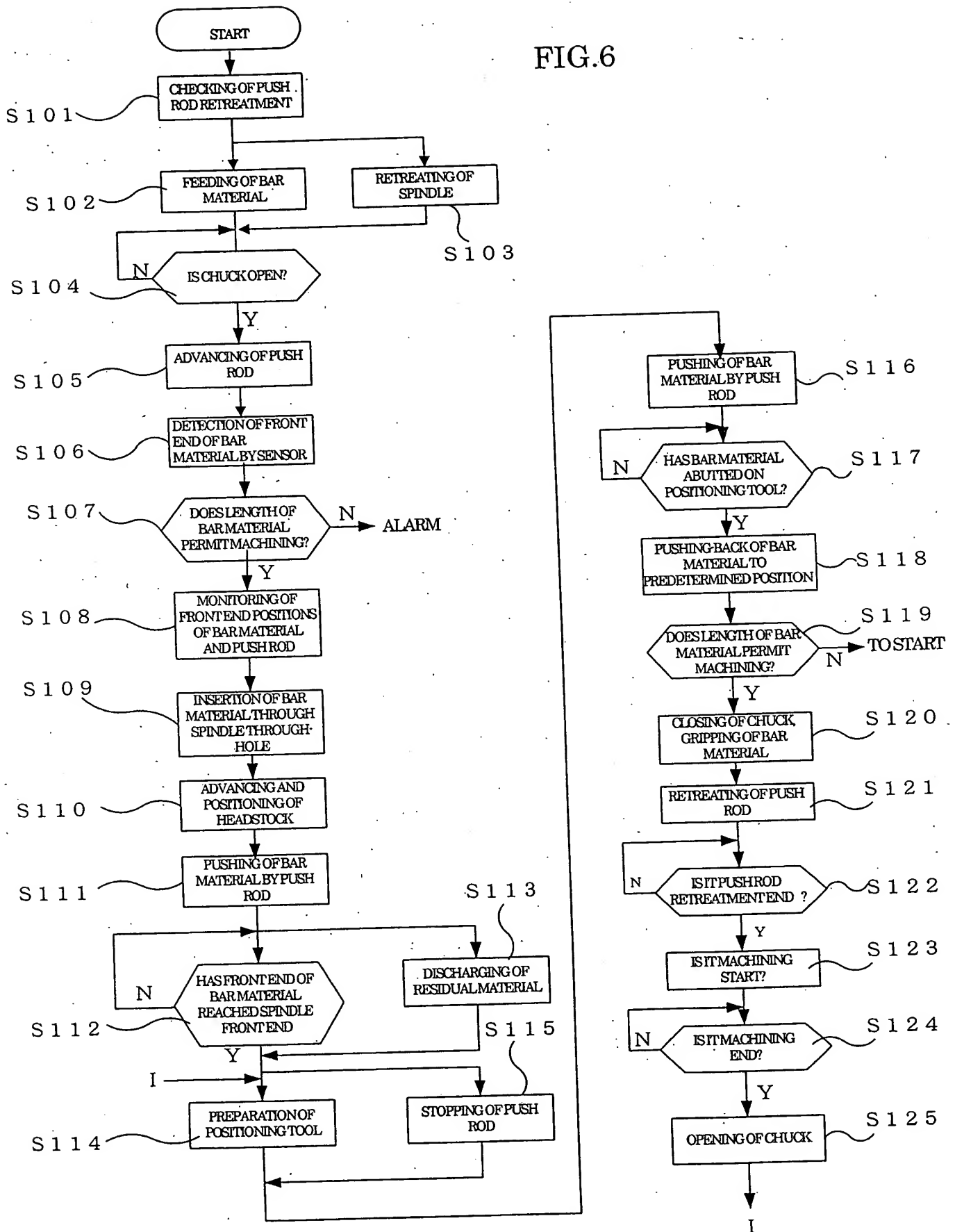


FIG. 7

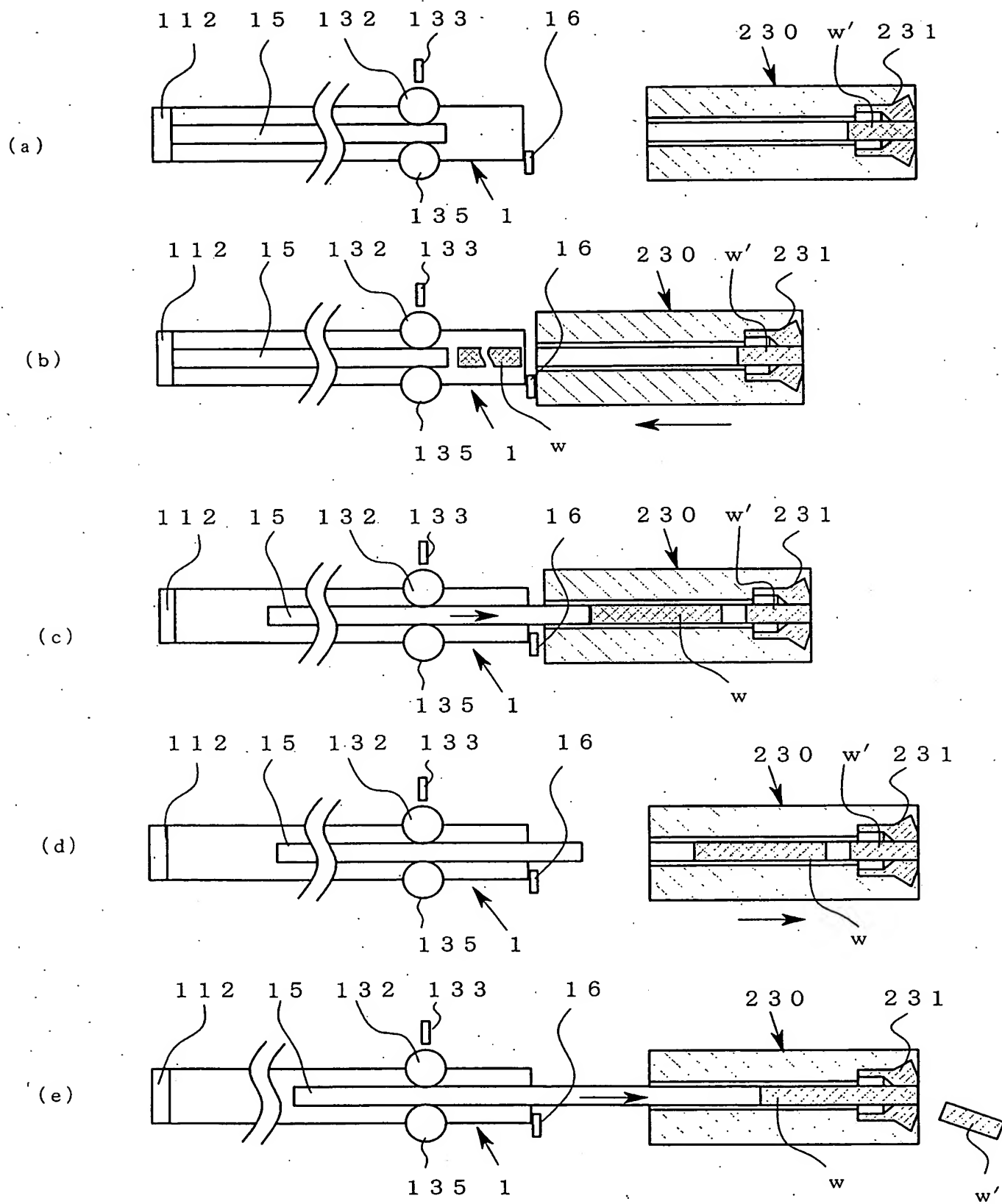


FIG. 8

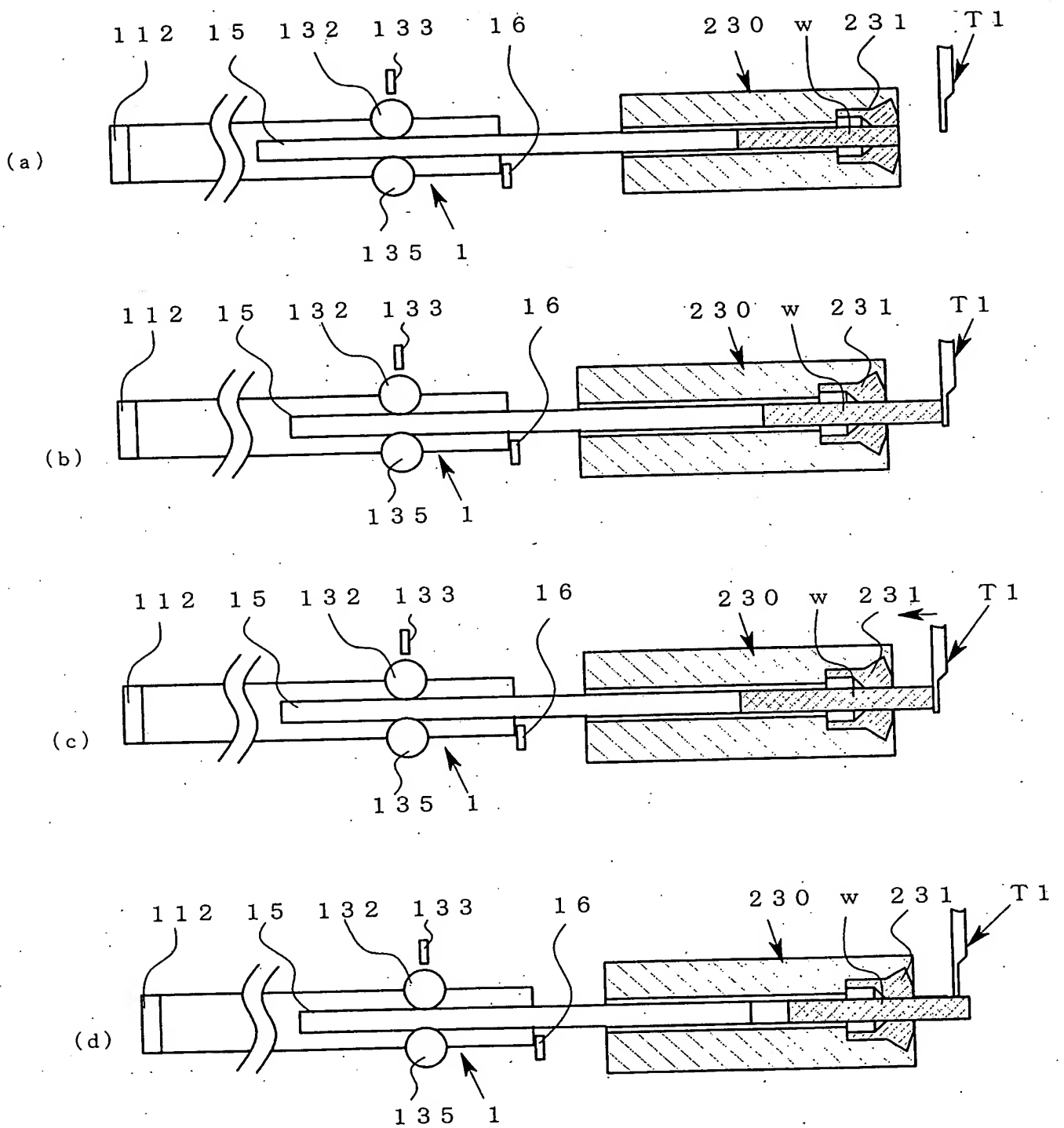
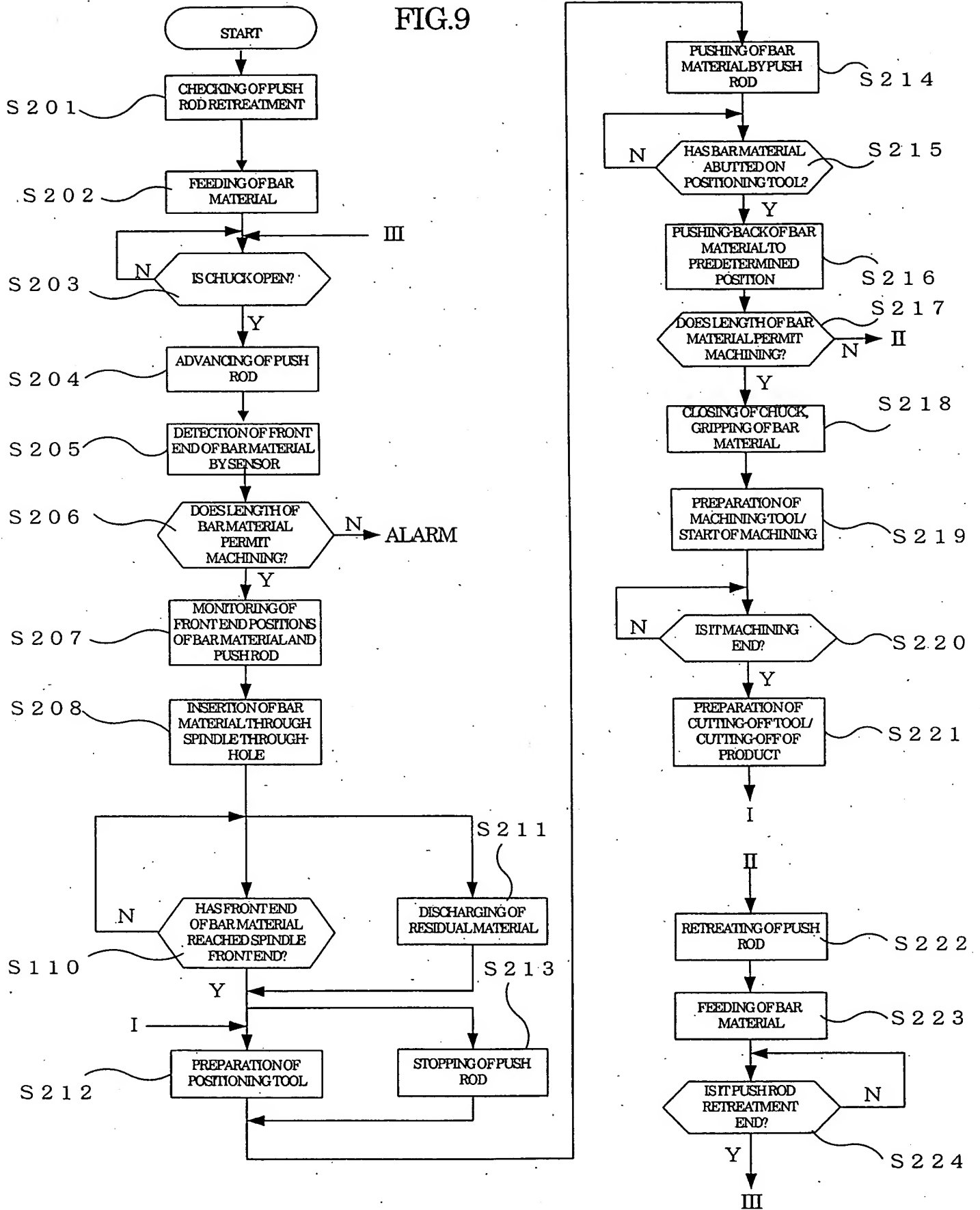


FIG.9





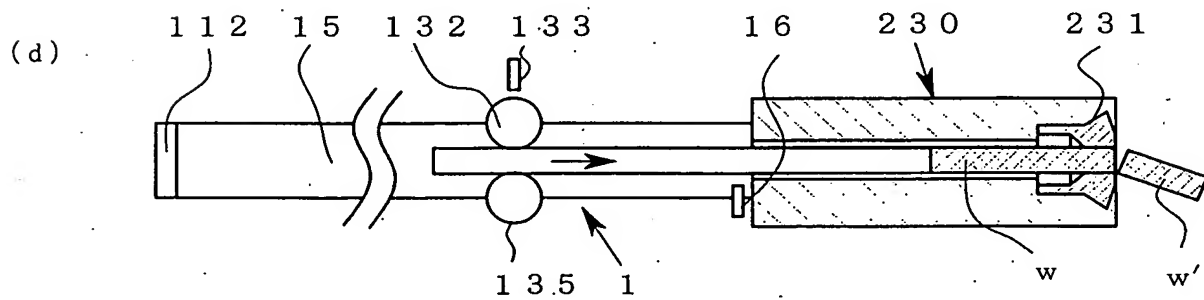
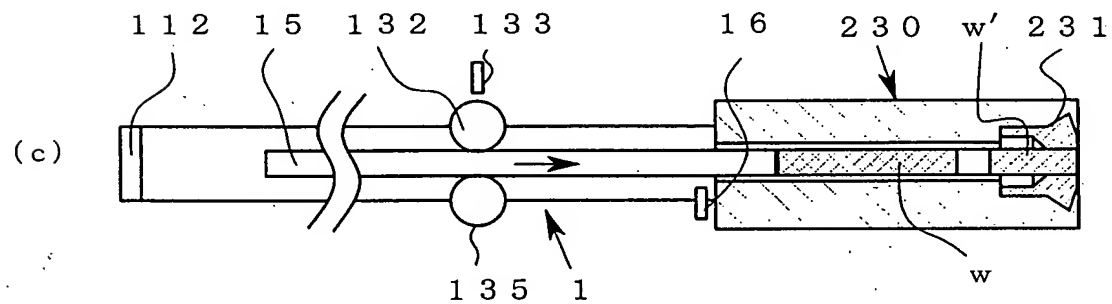
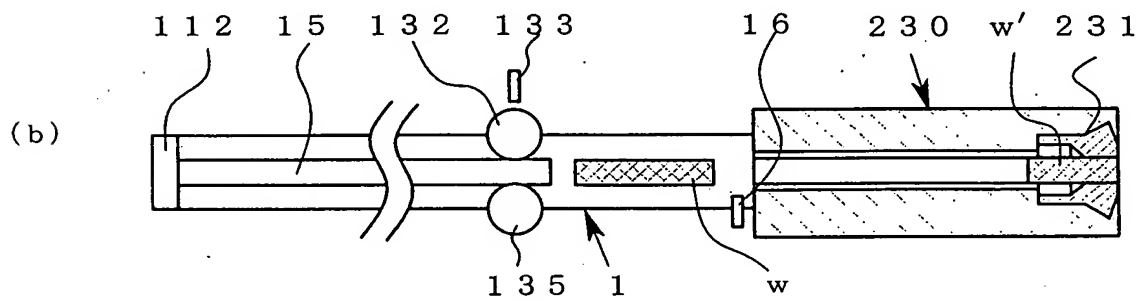


FIG. 11

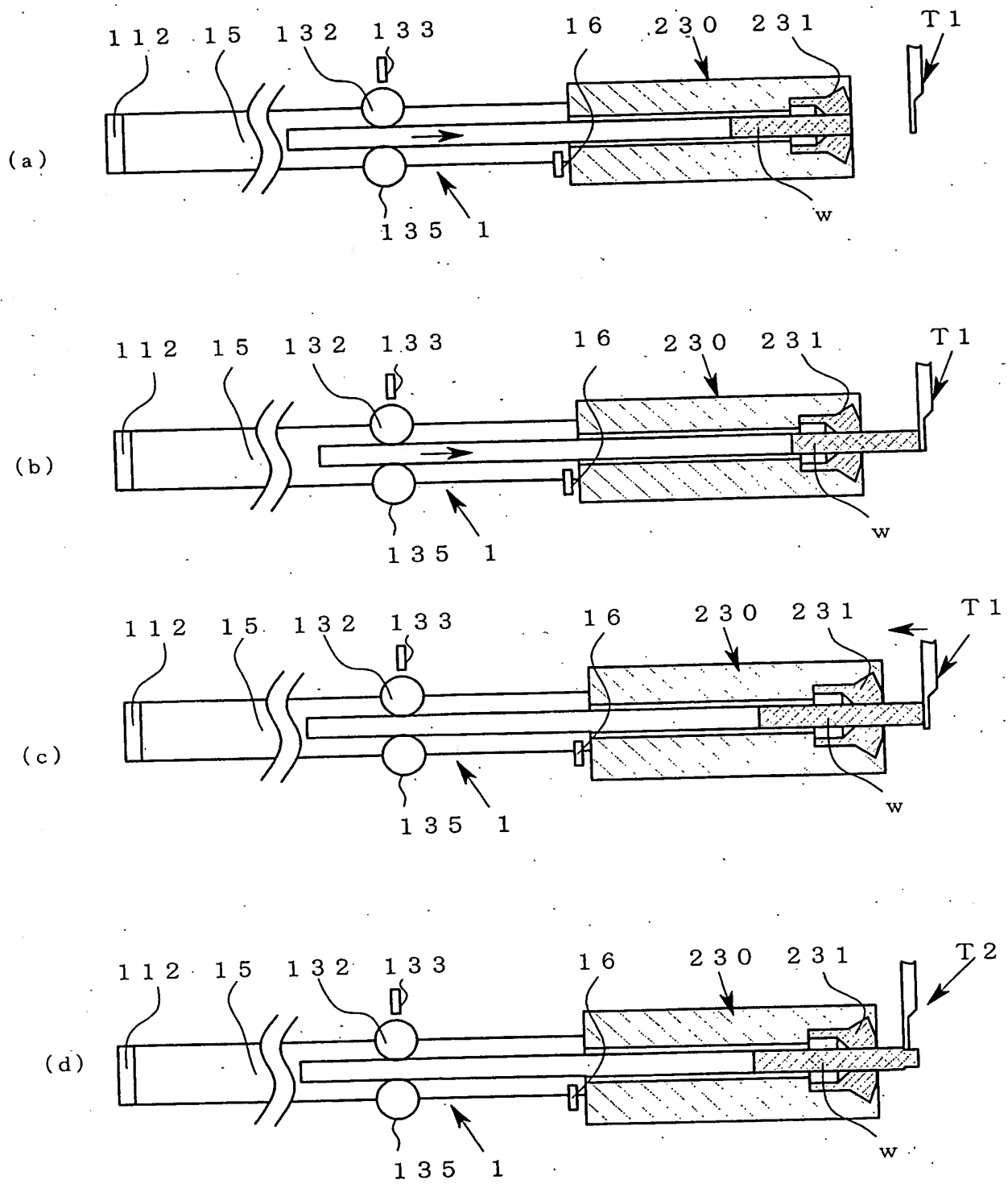


Fig. 1 is a cross-sectional view of a bar material receiver. The receiver (10) features a V-groove (17a) and a sloped side (17b). Two circular bars (15) are shown, with the top one labeled 'w' for width. The receiver is mounted on a base.

FIG. 14

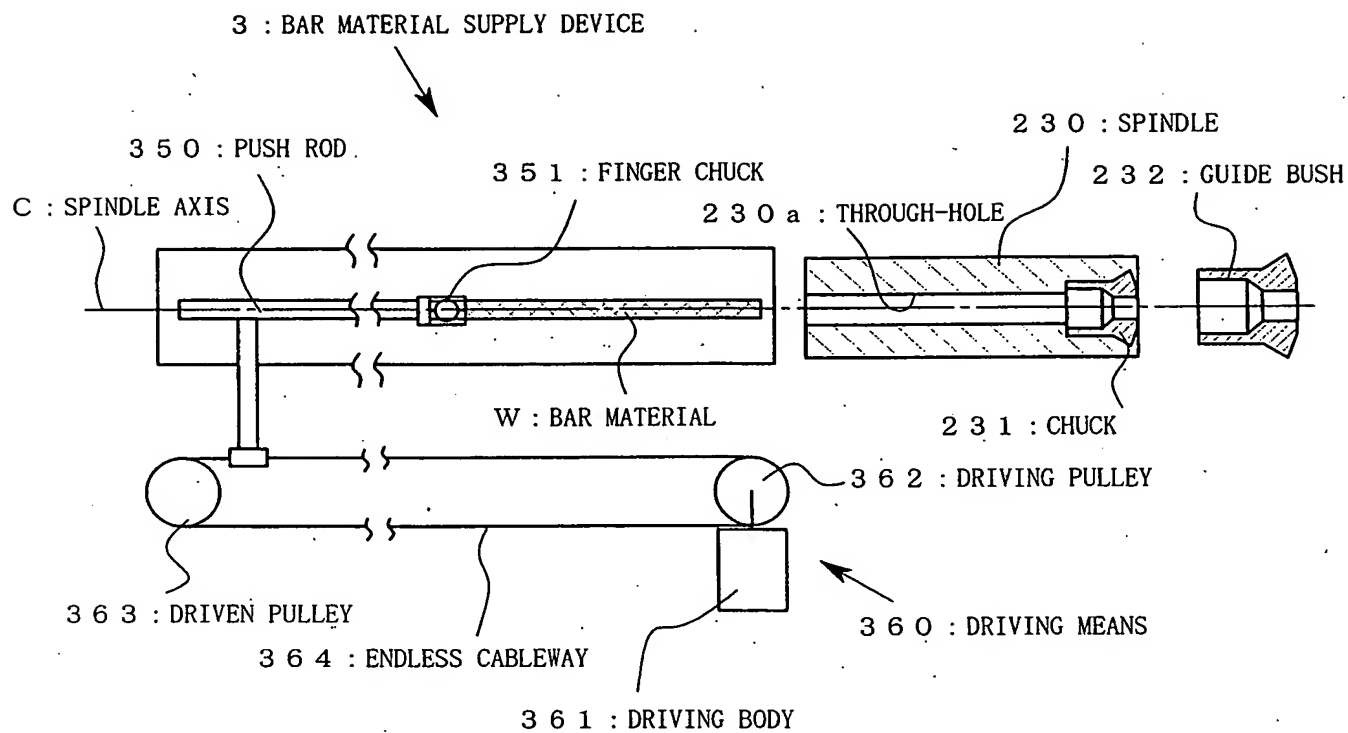


FIG. 15

